



# ER APP ATC 174 — ATC System to Support Flight-Centric ATC

The ATC system is modified to permit Flight Centric ATC, whereby a flight is assigned to a controller and remains assigned to that controller for a significant part of its segment within the designated airspace.

Local Traffic Complexity Management is modified to determine complexity and workload according to the revised working method. The enhanced local traffic management and ATC integration (INAP) function supports the allocation of responsibility based on optimum workload distribution in Flight-Centric environment.

Rule based conflict detection and resolution supporting ATC separation management and coordination between multiple ATCOs in Flight centered operations environment.

Conflict Detection and Resolution is modified to assist in the resolution of conflicts involving multiple controllers.

Flight Data Management and Distribution is modified according to the revised flight allocation rules.

The Controller Human-Machine Interface Management is updated according to the revised working method and division of responsibility. Specific HMI enabling full situational awareness in FC-ATC environment, including indication of flights and air traffic flows under separate ATCO responsibility and presentation of all required data in relation to all specific flights and not geographically.

**Category** SYSTEM

**Stakeholder** Air Navigation Service Provider

Civil

Civil ATS Approach Service Provider

Civil ATS En-Route Service Provider

**V3 End** -

**V4 Start** -

**V5 Start** -

**V4 End** -

**V5 End** -

**Air Navigation Service Provider: -**

Civil

Civil ATS Approach Service Provider: -

Civil ATS En-Route Service Provider: -

**IOC** -

**FOC** -

## Context

### Related Elements



